

SCREEN SHOTS

SOURCE CODE

```
1 package com.akshay.training;
2
3 import java.io.File;
4
5
6
7
8 public class PhaseEndProject {
9
10     public static void main(String[] args) {
11         System.out.println("\n*****\n\n");
12         System.out.println("File Manipulation Application\nDeveloped By :- Akshay V S\n\n");
13         System.out.println("*****\n\n");
14         File newFolder=new File("NewFolder");
15         newFolder.mkdir();
16         optionSelection(newFolder);
17     }
18
19
20     private static void optionSelection(File newFolder) {
21
22         String []arr= {"1. Show all the files.",
23             "2.File Manipulation Options",
24             "3.Exit the Application"};
25         int []arr1= {1,2,3};
26         int slen= arr1.length;
27         System.out.println();
28         for(int i = 0;i<slen;i++) {
29             System.out.println(arr[i]);
30         }
31         System.out.println("Enter your choice:");
32         Scanner scan=new Scanner(System.in);
33         int options= scan.nextInt();
34         switch(options){
35             case 1:
36                 String[] fileNames=new String[100];
37                 fileNames = newFolder.list();
38                 if(fileNames.length==0) {
39                     System.out.println("the folder is empty");
40                 }
41                 else {
42                     Arrays.sort(fileNames);
43                     System.out.println("The files present are ");
44                     for(String name:fileNames) {
45                         System.out.println(name);
46                     }
47                 }
48             }
49     }
```

```

46         }
47     }
48     optionSelection(newFolder);
49     break;
50
51     case 2:
52         System.out.println("File manipulation options");
53         fileManipulation(newFolder);
54         break;
55
56     case 3:
57         System.out.println("ThankYou For Using The application\n\nLogging off!!!");
58         break;
59
60     default:
61         System.out.println("Wrong input\nTry Again");
62         optionSelection(newFolder);
63         break;
64
65 }
66 }
67 }
68
69 private static void fileManipulation(File newFolder) {
70     System.out.println("1.Add a File\n2.Delete a file \n3.Search a file\n4.go to main menu");
71     System.out.println("Enter your choice");
72     Scanner sc = new Scanner(System.in);
73     int choice=sc.nextInt();
74
75     switch(choice) {
76
77     case 1:
78         System.out.println("Adding a file\n");
79         System.out.println("Enter the name of the file you wish to add:");
80         String newFile=new Scanner(System.in).nextLine();
81         File addFile=new File(newFolder,newFile);
82         try {
83             if(addFile.createNewFile())
84                 System.out.println("The file was added to the folder");
85             else
86                 System.out.println("File already exist");
87         } catch (IOException e) {
88             System.out.println("Error :"+e.getMessage());
89         }
90     }

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88     } catch (IOException e) {
89         System.out.println("Issue :"+ e.getMessage());
90     }
91     fileManipulation(newFolder);
92     break;
93
94     case 2:
95         System.out.println("Delete a file");
96
97         System.out.println("Enter the name of the file you have to delete:");
98         String fileName= new Scanner(System.in).nextLine();
99         File delFile=new File(newFolder,fileName);
100         if(delFile.exists()) {
101             if(delFile.delete()) {
102                 System.out.println("The file deleted successfully");
103             }
104             else
105                 System.out.println("The file deletion was unsuccessful");
106         }
107         else
108             System.out.println("The specified file was not found");
109
110         fileManipulation(newFolder);
111         break;
112
113     case 3:
114         System.out.println("Search a file");
115
116         System.out.println("Enter the name of the file you have to search");
117         String serFile=new Scanner(System.in).nextLine();
118
119         File searchFile= new File(newFolder,serFile);
120         if(searchFile.exists()) {
121             System.out.println("The Searched file is present in the directory");
122         }
123         else
124             System.out.println("The searched file is not present in the directory");
125
126         fileManipulation(newFolder);
127         break;
128
129     case 4:
130         System.out.println("Going to main menu");
131         optionSelection(newFolder);
132

```

```

129     case 4:
130         System.out.println("Going to main menu");
131         optionSelection(newFolder);
132         break;
133
134     default:
135         System.out.println("Wrong input\ntry again");
136         fileManipulation(newFolder);
137         break;
138
139
140
141
142
143     }
144
145
146
147 }
148
149 }
150

```

OUTPUT

Welcome Screen

```
*****
```

```
File Manipulation Application  
Developed By :- Akshay V S
```

```
*****
```

```
1. Show all the files.  
2.File Manipulation Options  
3.Exit the Application  
Enter your choice:
```

Option 1 – returned empty as the folder is currently empty

```
*****
```

```
File Manipulation Application  
Developed By :- Akshay V S
```

```
*****
```

```
1. Show all the files.  
2.File Manipulation Options  
3.Exit the Application  
Enter your choice:
```

```
1
```

```
the folder is empty
```

```
1. Show all the files.  
2.File Manipulation Options  
3.Exit the Application  
Enter your choice:
```

Option 2 File Manipulation Menu - Adding a file

1. Show all the files.
2. File Manipulation Options
3. Exit the Application

Enter your choice:

2

File manipulation options

1. Add a File
2. Delete a file
3. Search a file
4. go to main menu

Enter your choice

1

Adding a file

Enter the name of the file you wish to add:

AKSHAY.TXT

The file was added to the folder

1. Add a File
2. Delete a file
3. Search a file
4. go to main menu

Enter your choice

1

Adding a file

Enter the name of the file you wish to add:

AKSHAY.TXT

File already exist

1. Add a File
2. Delete a file
3. Search a file
4. go to main menu

Enter your choice

Adding multiple files and all are returned in a sorted order

```
Enter your choice
1
Adding a file

Enter the name of the file you wish to add:
ABB.TXT
The file was added to the folder
1.Add a File
2.Delete a file
3.Search a file
4.go to main menu
Enter your choice
1
Adding a file

Enter the name of the file you wish to add:
AAA.TXT
The file was added to the folder
1.Add a File
2.Delete a file
3.Search a file
4.go to main menu
Enter your choice
4
Going to main menu

1. Show all the files.
2.File Manipulation Options
3.Exit the Application
Enter your choice:
1
The files present are
AAA.TXT
ABB.TXT
AKSHAY.TXT

1. Show all the files.
2.File Manipulation Options
3.Exit the Application
Enter your choice:
```

Deleting a file

```
1. Show all the files.
2. File Manipulation Options
3. Exit the Application
Enter your choice:
2
File manipulation options
1. Add a File
2. Delete a file
3. Search a file
4. go to main menu
Enter your choice
2
Delete a file
Enter the name of the file you have to delete:
AAA.TXT
The file deleted successfully
1. Add a File
2. Delete a file
3. Search a file
4. go to main menu
Enter your choice
2
Delete a file
Enter the name of the file you have to delete:
AAA.TXT
The specified file was not found
1. Add a File
2. Delete a file
3. Search a file
4. go to main menu
Enter your choice
```

Searching for a file

```
1.Add a File
2.Delete a file
3.Search a file
4.go to main menu
Enter your choice
3
Search a file
Enter the name of the file you have to search
ABB.TXT
The Searched file is present in the directory
1.Add a File
2.Delete a file
3.Search a file
4.go to main menu
Enter your choice
3
Search a file
Enter the name of the file you have to search
AAA.TXT
The searched file is not present in the directory
1.Add a File
2.Delete a file
3.Search a file
4.go to main menu
Enter your choice
4
Going to main menu

1. Show all the files.
2.File Manipulation Options
3.Exit the Application
Enter your choice:
1
The files present are
ABB.TXT
AKSHAY.TXT

1. Show all the files.
2.File Manipulation Options
3.Exit the Application
Enter your choice:
```

Option 3 - Logging off

```
1. Show all the files.
2.File Manipulation Options
3.Exit the Application
Enter your choice:
3
ThankYou For Using The application

Logging off!!!
```